



Statistical Research: Some NASA Perspectives

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Opportunities and Challenges



- **Opportunities**
 - **As statistical thinking continues to be infused into NASA projects (Exploration, Science and Aeronautics)**
 - **New research opportunities will be revealed**
 - **Fundamental principles and theoretical derivations**
 - **Application of existing techniques to unique problems**
 - **Many avenues to obtain research capabilities**
 - **In-house personnel – stay current for future opportunities and collaborative efforts**
 - **Contracts – industry and academia**
 - **Research Announcements**
 - **Graduate research, post doctoral, undergraduate research**

Opportunities and Challenges



- **Challenges**
 - **Educating organizations and projects on statistical engineering and its benefits**
 - **Clearly defining research opportunities**
 - **Securing resources within project environments (schedule and resource pressures)**
 - **Timely execution**
 - **Coordinating fiscal and academic calendars**
 - **Communicating benefits and applications**